

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

Listing of Claims

1. (Currently Amended) An operation management system for a mobile object comprising:

45 a data recorder including means for detecting behavior of a mobile object that satisfies a ~~complex predetermined~~ collecting condition ~~in accordance with mobile object operation factors different from each other before and after occurrence of said behavior on the time series;~~ and means for recording the detected behavior before and after occurrence of said behavior on a predetermined storage medium when the behavior is detected; and

condition setting means for setting said collecting condition onto said storage medium such that said data recorder reads said collecting condition from said storage medium, said condition setting means being constructed to set said collecting condition in accordance with mobile object operation factors different from each other; and

means for analyzing an operation tendency of the mobile object based on information recorded on said storage medium.

wherein said data recorder records ~~only~~ information relating to behavior compatible with [[the]] said collecting condition set by said condition setting means on said storage medium according to the behavior.

2. (Currently Amended) The operation management system according to claim 1, wherein said data recorder further includes means for intermittently recording information relating to behavior that does not satisfy said collecting condition, and said data recorder records said information intermittently recorded on said storage medium as distinguished from information relating to behavior compatible with said collecting condition.

3. (Original) The operation management system according to claim 1, wherein said condition setting means sets said collecting condition in accordance with at least one of identification information of an operator of said mobile object, behavioral environment of said mobile object, and a behavioral history of said operator.

4. (Currently Amended) The operation management system according to claim 1, wherein said storage medium is ~~a card-like storage medium~~ in the form of a card that is classified in accordance with at least one of identification information of said mobile object, identification information of an operator that

operates said mobile object, and behavioral environment of said mobile object, and that is generated on a classification-by-classification basis.

8 5. (Currently Amended) An operation management system for a mobile object comprising:

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~~means for detecting behavior of a mobile object before and after occurrence of said behavior on the time series when the behavior of said mobile object satisfies a predetermined collecting condition, and for intermittently detecting the behavior of said mobile object when the behavior of said mobile object dissatisfies said collecting condition; means for recording information relating to the behavior detected on the time series and information relating to the behavior intermittently detected on a predetermined storage medium as distinguished from each other; and~~

means for detecting whether behavior of a mobile object satisfies a predetermined collecting condition contained on a predetermined storage medium;

means for engaging with said storage medium to read the predetermined collecting condition, to record the behavior of said mobile object on said storage medium when the behavior of said mobile object satisfies the predetermined collecting condition and to intermittently record the behavior of said mobile object separate from the behavior of said mobile when the behavior of said mobile object satisfies the predetermined collecting condition on the predetermined storage medium when the behavior of said mobile object does not satisfy the predetermined

collecting condition:

means for analyzing an operation tendency of the mobile object based on information recorded on said storage medium; and

means for reproducing operation circumstances of the corresponding mobile object based on each information recorded on said storage medium.

9 6. (Currently Amended) A data recorder comprising:

a sensor section for detecting behavior of a mobile object ~~on the~~ as a time series; and

recording means for determining the presence or absence of occurrence of a specific behavior in the behavior of the corresponding mobile object detected by said sensor section in accordance with a complex behavioral condition, which is a behavioral condition for determining said behavior as the specific behavior and which conforms to mobile object operation factors different from each other, and for recording information relating to the specific behavior of the corresponding mobile object in accordance with occurrence of said specific behavior on a predetermined storage medium onto which the behavioral condition has been set to thereby enable analysis of an operation tendency of said mobile object based on information recorded on said storage medium.

10 7. (Original) The data recorder according to claim 6⁹, wherein said specific behavior is dangerous behavior, and said recording means determines the presence or absence of occurrence of said dangerous behavior based on compatibility between a condition pattern that fixes the corresponding dangerous behavior and said behavior pattern detected by said sensor section, and said recording means records information of the corresponding behavior when said dangerous behavior occurs.

11 8. (Original) The data recorder according to claim 6⁹, wherein said recording means intermittently records information relating to the behavior of the corresponding mobile object on said storage medium as distinguished from information relating to said specific behavior when no specific behavior occurs.

12 9. (Currently Amended) The data recorder according to claim 6⁹, wherein said storage medium is ~~a card-like storage medium~~ in the form of a card that is classified in accordance with at least one of identification information of said mobile object, identification information of an operator of said mobile object, and behavioral environment of said mobile object, and that is generated on a classification-by-classification basis, and at least said behavioral condition is recorded on said ~~card-like storage medium~~ card.

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10. (Original) A behavior analyzer for a mobile object comprising:

condition setting means for setting a complex collecting condition which is a collecting condition for collecting information relating to a specific behavior of the mobile object and which is based on mobile object operation factors different from each other on a predetermined storage medium; and

analyzing means for reading recorded information from said storage medium on which information relating to behavior of the mobile object compatible with said set collecting condition is recorded to analyze the behavioral content of the corresponding mobile object from said read information.

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11.

(Original)

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The behavior analyzer according to claim ~~10~~, wherein said analyzing means reads information, which is different from information relating to said specific behavior and which is intermittently recorded according to behavior other than said specific behavior, from said storage medium, and analyzes the behavioral content of the corresponding mobile object in accordance with information.

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12.

(Original)

A behavior analyzer for a mobile object comprising:
collecting condition setting means for setting a complex collecting condition which is a collecting condition for collecting information relating to a specific behavior of the mobile object and which is based on mobile object operation factors different from each other on a predetermined storage medium; and

analyzing means for reading said information from a predetermined storage medium on which information relating to the specific behavior of said mobile object is recorded to compare said read information with a condition pattern for specifying a predetermined behavioral pattern and to analyze the behavioral content of the corresponding mobile object.

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13.

(Original) A computer-readable storage medium having digital information recorded thereon, said digital information is causing a computer to execute procedures for:

setting a complex collecting condition, which is a collecting condition for collecting information relating to a specific behavior of the mobile object and which is based on mobile object operation factors different from each other, on a predetermined storage medium;

reading recorded information from said storage medium on which information relating to behavior compatible with said set collecting condition is recorded; and

analyzing the behavioral content of the corresponding mobile object from said read information.

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14.

(Currently Amended) A computer-readable storage medium having digital information recorded thereon, said digital information is causing a computer to execute procedures for:

setting a first collecting condition for collecting information relating to specific behavior of a mobile object and a second collecting condition for collecting information relating to normal behavior other than said specific behavior on a predetermined storage medium, wherein said specific behavior is dangerous behavior;

reading recorded information [[by]] on behavior from said storage medium on which information relating to behavior compatible with said first and second collecting conditions is recorded as distinguished from each other; and

analyzing the behavioral content of the corresponding mobile object from said read information.

15.

(Cancelled)

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16.

(Currently Amended) ~~The~~ An operation tendency analyzing method according to claim ~~15~~ for a mobile object, comprising the steps of:

determining the presence or absence of an occurrence of specific behavior in behavior of the corresponding mobile object actually detected in accordance with behavioral conditions showing the specific behavior of the mobile object;

recording information relating to the specific behavior of the corresponding mobile object on a predetermined storage medium in accordance with occurrence of said specific behavior; and

analyzing an operation tendency of the corresponding mobile object based on information recorded on said storage medium,

wherein said ~~second~~ recording step includes the ~~sub-step~~ step of recording information relating to said specific behavior before and after occurrence of the corresponding behavior on said storage medium ~~on the~~ as a time series and intermittently recording information relating to the behavior of said mobile object on said storage medium when no said specific behavior occurs, and said ~~third~~ analyzing step includes the ~~sub-step~~ step of analyzing a complex operation tendency of the corresponding mobile object based on said recorded information.

¹⁹
~~17.~~ (Currently Amended) ~~The~~ An operation tendency analyzing method according to claim ~~15~~ for a mobile object, comprising the steps of:

determining the presence or absence of an occurrence of specific behavior in behavior of the corresponding mobile object actually detected in accordance with behavioral conditions showing the specific behavior of the mobile object;

recording information relating to the specific behavior of the corresponding mobile object on a predetermined storage medium in accordance with occurrence of said specific behavior; and

analyzing an operation tendency of the corresponding mobile object based on information recorded on said storage medium,

wherein said ~~third~~ analyzing step includes the ~~sub-step~~ step of obtaining a statistical operation tendency from information recorded on said storage medium intermittently, obtaining a difference between said statistical operation tendency and information recorded on said storage medium ~~on the~~ as a time series, and analyzing a complex operation tendency of the corresponding mobile object in accordance with said difference.

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18.

(Currently Amended) ~~The~~ An operation tendency analyzing method according to claim 15 for a mobile object, comprising the steps of:

determining the presence or absence of an occurrence of specific behavior in behavior of the corresponding mobile object actually detected in accordance with behavioral conditions showing the specific behavior of the mobile object;

recording information relating to the specific behavior of the corresponding mobile object on a predetermined storage medium in accordance with occurrence of said specific behavior; and

analyzing an operation tendency of the corresponding mobile object based on information recorded on said storage medium,

wherein said ~~third~~ analyzing step includes the ~~sub-step~~ step of analyzing said operation tendency based on condition information set in accordance with at least one

of identification information of an operator of said mobile object, behavioral environment of said mobile object, and behavioral history of said operator.

21/19. (Currently Amended) ~~The~~ An operation tendency analyzing method according to claim 15 for a mobile object, comprising the steps of:

determining the presence or absence of an occurrence of specific behavior in behavior of the corresponding mobile object actually detected in accordance with behavioral conditions showing the specific behavior of the mobile object;

recording information relating to the specific behavior of the corresponding mobile object on a predetermined storage medium in accordance with occurrence of said specific behavior; and

analyzing an operation tendency of the corresponding mobile object based on information recorded on said storage medium,

wherein said ~~third~~ analyzing step includes the ~~sub-step~~ step of analyzing said operation tendency based on complex condition information set in accordance with a plurality of mobile object operation factors different from each other.

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20. (New) The operation management system according to claim 1, wherein said storage medium is a memory card detachably connected to said data recorder.

As Concl.

⁶
21. (New) The operation management system according to claim 1, wherein said data recorder records only information relating to behavior compatible with said collecting condition set by said condition setting means on said storage medium according to the behavior.

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22. (New) The operation management system according to claim 1, wherein said analyzing means are separate and apart from said data recorder.
